

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. COG-2-0981.01.US		SERIAL NO. 10/627,537	
				APPLICANT Sugar et al.			
				FILING DATE July 25,2003		GROUP 2618	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		4,121,221	10/1978	Meadows			
		4,599,734	07/1986	Yamamoto			
		4,639,914	01/1987	Winters			
		5,274,844	12/1993	Harrison et al.			
		5,394,435	02/1995	Weerackody			
		5,437,055	07/1995	Wheatley, III			
		5,457,808	10/1995	Osawa et al.			
		5,491,723	02/1996	Diepstraten			
		5,493,307	02/1996	Tsujimoto			
		5,507,035	04/1996	Bantz et al.			
		5,539,832	07/1999	Weinstein et al.			
		5,570,366	10/1996	Baker et al.			
		5,577,265	11/1996	Wheatley, III			
		5,610,617	03/1997	Gans et al.			
		5,752,173	05/1998	Tsujimoto			
		5,761,193	06/1998	Derango et al.			
		5,761,237	06/1998	Petersen et al.			
		5,812,531	09/1998	Cheung et al.			
		5,848,105	12/1998	Gardner et al.			
		5,898,679	04/1999	Brederveld et al.			
		5,912,921	06/1999	Warren et al.			
		5,930,248	07/1999	Langlet et al.			
		5,982,327	11/1999	Vook et al.			
		6,008,760	12/1999	Shattil			
		6,023,625	02/2002	Myers Jr.			
SN		6,037,898	03/2000	Parish et al.			

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SN	6,038,272	03/2000	Golden				
↓	6,044,120	03/2000	Bar-David et al.				
↓	6,058,105	05/2000	Hochwald et al.				
↓	6,091,934	07/2000	Berman et al.				
↓	6,097,771	08/2000	Foschini				
↓	6,118,788	09/2000	Kermani				
↓	6,122,260	09/2000	Liu et al.				
↓	6,124,824	09/2000	Xu et al.				
↓	6,141,393	10/2000	Thomas et al.				
↓	6,141,567	10/2000	Youssefmir et al.				
↓	6,144,651	11/2000	Rinchiuso et al.				
↓	6,144,711	11/2000	Raleigh et al.				
↓	6,147,985	11/2000	Bar-David et al.				
↓	6,157,340	12/2000	Xu et al.				
↓	6,157,843	12/2000	Derango et al.				
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↓	6,185,440	02/2001	Barratt et al.				
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↓	6,211,671	04/2001	Shattil				
↓	6,252,548	06/2001	Jeon				
↓	6,252,884	06/2001	Hunter				
↓	6,266,528	07/2001	Farzaneh				
↓	6,295,026	09/2001	Chen et al.				
↓	6,298,092	10/2001	Heath, Jr.				
↓	6,307,882	10/2001	Marzetta				
SN	6,314,147	11/2001	Liang et al.				

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		6,317,466	11/2001	Foschini et al.			
		6,327,310	12/2001	Hochwald et al.			
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		6,349,219	02/2002	Hochwald et al.			
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		6,362,781	03/2002	Thomas et al.			
		6,369,758	04/2002	Zhang			
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		6,522,898	02/2003	Kohno et al.			
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		6,570,929	05/2003	Eriksson			
		6,584,161	06/2003	Hottinen			
		6,636,568	10/2003	Kadous			
		6,646,600	11/2003	Vail et al.			
↓		6,661,856	12/2003	Calderbank et al.			
		6,684,064	01/2004	Kazakevich et al.			
SN		6,687,492	02/2004	Sugar et al.			

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SN	6,763,073	07/2004	Foschini et al.				
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	2002/0122383	09/2002	Wu et al.				
	2002/0122501	09/2002	Awater et al.				
	2002/0127978	09/2002	Khatri				
	2002/0136170	09/2002	Struhsaker				
	2002/0141355	10/2002	Struhsaker et al.				
SN	2002/0147032	10/2002	Yoon et al.				
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SN		2002/0158801	10/2002	Crilly, Jr. et al.			
		2002/0159537	10/2002	Crilly, Jr.			
		2002/0172186	11/2002	Larsson			
		2002/0172269	11/2002	Xu			
		2002/0191535	12/2002	Sugiyama et al.			
		2002/0196842	12/2002	Onggosanusi et al.			
		2003/0002450	01/2003	Jalali et al.			
		2003/0022693	01/2003	Gerogiokas et al.			
		2003/0032423	02/2003	Boros et al.			
		2003/0048761	03/2003	Jarett			
		2003/0072379	04/2003	Ketchum			
		2003/0072382	04/2003	Raleigh et al.			
		2003/0108117	06/2003	Ketchum et al.			
		2003/0114108	06/2003	Frecassetti et al.			
		2003/0125040	07/2003	Walton et al.			
		2003/0125090	07/2003	Zeira			
		2003/0130012	07/2003	Brunner et al.			
		2003/0139194	07/2003	Onggosanusi et al.			
		2003/00162566	08/2003	Shapira et al.			
		2003/0161282	08/2003	Medvedev et al.			
		2003/0165189	09/2003	Kadous			
		2003/0181165	09/2003	Sugar et al.			
SN		2003/0181171	09/2003	Sim et al.			

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SN		2003/0185309	10/2003	Pautler et al.			
↓		2004/0013212	01/2004	Benesty et al.			
↓		2004/0023621	02/2004	Sugar et al.			
↓		2004/002364	01/2004	Trikkonen et al.			
↓		2004/0184398	09/2004	Walton et al.			
↓		2004/0171385	09/2004	Haustein et al.			
↓		2003/0218973	11/2003	Oprea et al.			
↓		2003/0003880	01/2003	Ling et al.			
SN		2005/0094598	05/2005	Medvedev et al.			

  

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SN		01/45300	06/2001	WO				
SN		02/03568	01/2002	WO				
SN	*	2107989	03/1998	RU				x
SN	*	2238611	10/2004	RU				x
SN	*	2005/100514	06/2005	RU				x

  

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SN		"BLAST High-Level Overview", Lucent Technologies, July 18, 2000.
SN		Aziz et al., "Indoor Throughput and Range Improvements Using Standard Complaint AP Antenna Diversity in IEEE 802.11a and ETSI HIPERLAN/2", Vehicular Technology Conference, 2002, VTC 2001, October 7-11, 2001, IEEE VTS 54 <sup>th</sup> , Vol. 4, pp. 2294-2298.
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SN		Chiu et al., "OFDM Receiver Design", EE225C, Fall 2000, University of California, Berkeley.	
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SN		Choi et al., "MISO CDMA Transmission with Simplified Receiver for Wireless Communication Handsets", IEEE Transactions on Communications, Vol. 49, No. 5, May 2002.	
SN		Chuah et al., "Capacity of Multi-Antenna Array Systems in Indoor Wireless Environment", November 1998, IEEE Globecom.	
SN		Golden et al., "Detection Algorithm and Initial Laboratory Results Using V-BLAST Space-Time Communication Architecture", Electronic Letters, January 7, 1999, Vol. 35, No. 1.	
SN		Golden et al., "V-BLAST: A High Capacity Space-Time Architecture for the Rich-Scattering Wireless Channel", Bell Laboratories, Lucent Technologies, Proc. Int'l Symposium on Advanced Radio Technologies, Boulder, CO, September 10, 1998.	
SN		Heath et al., "A Simple Scheme for Transmit Diversity Using Partial Channel Feedback", Signals, Systems & Computers, Conference Record of the Thirty-Second Asilomar Conference, November 1-4, 1998; vol. 2; pp. 1073-1078.	
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SN		Iserte et al., "Iterative Algorithm for the Estimation of Distributed Sources Localization Parameters", SSP 2001, 11 <sup>th</sup> IEEE Workshop on Statistical Signal Processing, August 2001.	

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